

1. (currently amended) A cosmetic cover for an endoskeletal prosthesis, comprising:

a substantially inelastic, yet easily deformable plastic sleeve;

said plastic sleeve being pre-stretched to a shape that resembles a human leg;

said plastic sleeve ~~adapted to loosely ensleeve~~ensleeving a prosthetic foot, a foam-covered lower pylon, a prosthetic knee, a foam-covered upper pylon, and a prosthetic socket;

said plastic sleeve being formed of a heat-shrinkable plastic so that said plastic sheet shrinks in response to application of heat and conforms to the shape of said prosthetic foot, said foam-covered lower pylon, said prosthetic knee, said foam-covered upper pylon, and said prosthetic socket;

said plastic sleeve when cooled being substantially inelastic, yet easily deformable;

whereby said substantially inelastic, yet easily deformable plastic sleeve does not exert a uniform pressure upon said prosthetic foam; and

whereby no visible lines of demarcation form between said prosthetic foot and a distal end of said foam-covered lower pylon; and

whereby no visible lines of demarcation form between a proximal end of said foam-covered upper pylon and said socket.

2. (original) The cosmetic cover of claim 1, wherein said plastic sheet has a first thickness in at least a first predetermined section thereof and a second thickness in at least a second predetermined section thereof, said second thickness being greater than said first thickness so that when said plastic sheet is stretched, said at least a first predetermined section expands to a greater extent than said at least a second predetermined section.

3. (original) The cosmetic cover of claim 2, wherein said plastic sheet has a first thickness in first predetermined sections thereof and a second thickness in second predetermined sections thereof, said second thickness being greater than said first thickness so that when said plastic sheet is stretched, said first predetermined sections expand to a greater extent than said second predetermined sections.